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July 10, 2006 (second filing)

Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station
Boston, MA 02110

Re: NSTAR Electric Company, D.T.E. 06-40

Dear Secretary Cottrell:

Enclosed for filing in the above-referenced matter are the responses to the Information Requests set forth on the accompanying list.

Thank you for your attention to this matter.

Sincerely,

Robert N. Werlin

Enclosures

cc: Service List

Responses to Information Requests

DTE-2-7
**[PROTECTED ATTACHMENTS REDACTED]**
DTE-2-9
DTE-2-10
AG-1-2
AG-3-6

Information Request DTE-2-7

Please provide a map or maps of the Cambridge service territory that clearly shows the location of all 13.8 kV lines.

Response

**[PROTECTED MATERIALS ATTACHED]**

Please refer to Attachment DTE-2-7(a), which is a geographic map of Cambridge showing the location of the major transmission lines and substations. This map should be used as a base for reviewing the individual circuit maps (Attachment DTE-2-7(b)), which shows each of the more-than-100, 13.8 kV circuits in the Cambridge system.

Please note that the attachments set forth the location of critical utility infrastructure, the public disclosure of which would jeopardize public safety. These maps are subject to the exception set forth in G.L. c. 4, § 7, clause 26(n), and, as such, do not constitute public records. The attachments are being filed with the Department pursuant to a Motion for Protective Order. Copies are being supplied only to the Department and the Attorney General, subject to an executed Non-Disclosure Agreement.

Information Request DTE-2-9

Refer to Exh. NSTAR-CLV-1, at 21. Please provide a detailed list of all the structural changes that were made that resulted in Cambridge's 13.8 kV facilities changing from an integrated transmission network to a distribution system that provides power to local load. Include the dates that any such structural changes were completed.

Response

Please refer to all changes listed in the responses to Information Request DTE 2-8 and Information Request DTE-2-11. Cambridge has built a substation in the East Cambridge area and is presently completing the second 115 kV cable to that station. Once the station is in service and changes in the operational connection of the 13.8 kV intra-tie cables[1] are operational, the system will be configured as a radial distribution system rather than as transmission. The installation of the second 115 kV line is scheduled to be completed by the last quarter of 2006. At that time, Cambridge will start the process of moving circuits to the new station, thereby allowing steam generation facilities at Kendall to be connected to the 115 kV system and permitting the dissolution of the intra-ties as ties and converting them to radial circuits by mid-2007. Please refer below for diagrams of the existing configuration and the planned configuration.

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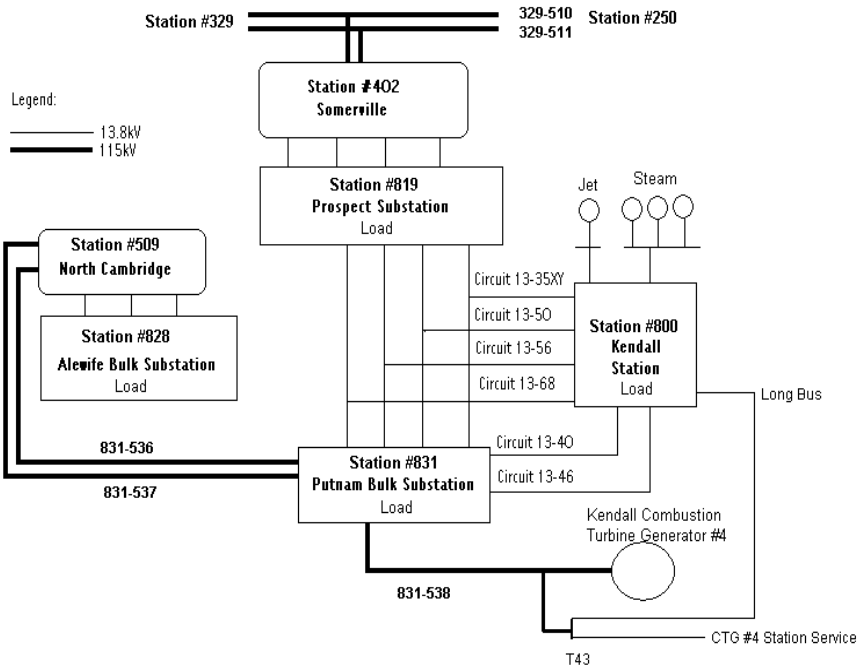
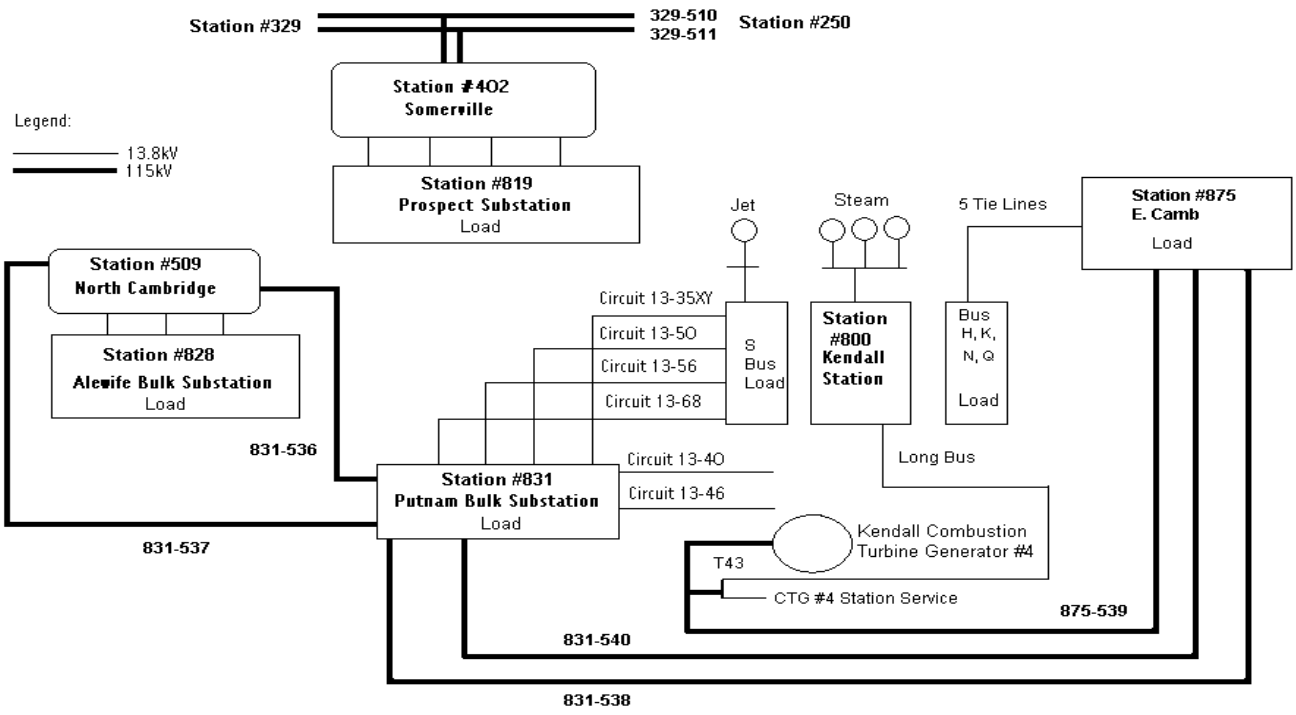
[1] Intra-ties are those circuits that interconnect the 115/13.8 kV station together to provide a flow path for the energy from one to the other station.

Existing electric system in Cambridge:



Future planned electric system configuration:



Information Request DTE-2-10

Refer to Exh. NSTAR-CLV-1, at 23. For each part of the FERC seven-part test, please provide a detailed explanation of the structural changes that were made to the 13.8 kV facilities that resulted in a change in the response in the table provided from "No" to "Yes" between 1997 and 2006, if such a change occurred. If the change that occurred stemmed from a change in the characteristics of the Cambridge distribution system and not a change to the 13.8 kV facilities, please explain any such change.

Response

The 13.8 kV seven-part test results referenced in Exhibit NSTAR-CLV-1, at 23, change with the addition of the East Cambridge Substation and 115 kV line. This is scheduled to be completed by the end of 2006 with the installation of the second cable.

Each element is described below.

**1. Distribution in close proximity to retail customers**

The addition of the East Cambridge Substation and the 115 kV lines supplying it provides a 115/13.8 kV distribution substation in close proximity to the retail customers. The new substation increases the number of 13.8 kV stations from three to four. The substation is geographically situated in an area that was supplied by generation and will now be supplied by a 13.8 kV distribution substation. This change reduces the average distance to a customer from a 13.8 kV station.

**2. Distribution radial in character**

The addition of the East Cambridge Substation and the 115 kV lines supplying it provides a 115/13.8 kV distribution substation that will allow the old intra-ties to be used as radial distribution circuits. Therefore, a majority of the Cambridge electrical system will be radial at the 13.8 kV voltage level. In addition, Cambridge has opened the breakers on circuits 819-1NA4 and 819-1338 at Alewife and Prospect Substations, as described in response to Information Request DTE-2-11. This action also contributes to the increased radial nature of the 13.8 kV system.

**3. Power flows in, rarely out**

The combination of the transition to a radial distribution system referred to in Item 2, above, and the transformation of the Kendall generation to the 115 kV system precludes the possibility of power flowing out of the overall Cambridge electric system. Thus, at the 13.8 kV voltage level, the power will also only flow in and not flow out.

**4. Power is used not just transported to another market**

The combination of the transition to a radial distribution system referred to in Item 2, above, and the transformation of the Kendall generation to the 115 kV system precludes the possibility of transporting power via 13.8 kV lines to other markets. Instead, the available power will be used within the confines of the electrical system in Cambridge.

**5. Power is consumed in the area**

The combination of the transition to a radial distribution system referred to in Item 2, above, and the transformation of the Kendall generation to the 115 kV system will ensure that the power transmitted on the 115 kV system into Cambridge will be transformed to 13.8 kV, 4.16 kV, and lower and will be consumed in the local area of transformation. The power will not be transmitted at strictly 13.8 kV to the local area as it was before.

**6. Meters are based at the interface**

Unchanged.

**7. Low voltage levels**

Unchanged.

Information Request AG-1-2

Please provide cites to the term(s), if any, of the Companies' bond agreements that require their reacquisition in the case of an merger or acquisition.

Response

The Companies' bond agreements do not contain provisions requiring their reacquisition in the case of a merger or consolidation.

Information Request AG-3-6

Refer to Exh. CLV-1, page 11, lines 4-10. Please explain how the amortization of the call premiums and the related interest savings will flow through rates to customers. Include estimated bill impacts for each of the Companies by customer class. Provide all supporting workpapers, calculations and assumptions.

Response

The call premiums associated with the redemptions of Commonwealth's and Cambridge's debt will be debited to account 189, Unamortized Loss on Reacquired Debt. The amortization of this amount to account 428.1, Amortization of Loss on Reacquired Debt, will be included within the long-term debt component of NSTAR Electric's return calculation in future rate proceedings, along with the lower-rate debt issued.